Location Honolulu Dahu SW > 21.05 N; 1580-19 W

Observer Crossin et al. Date 4 Nov. 1966 Time 1435 to 1754

Weather scattered showers, heavy overcast Miles 28 Hours 3, 32

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	194	I dark phase, restlight.
Sooty Shearwater		prase, resellant.
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	3	
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	3	
Bulwer's Petrel		
Leach's Storm Petrei)	
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby	3	
Red-footed Booby	24	2 imm. all Light phase
Great Frigatebird .	38	
Lesser Frigatebird		
Golden Plover		Shear-Pet = 383
Ruddy Turnstone		Storm-Pet= 1
Sooty Tern		Tern = 42
Gray-backed Tern		Booky = 27
Common Noddy Tern	41	Frigute = 39
Fairy Tern		Jaeger 2 39
Pomarine Jaeger	39	14 light phase, I dark, I intermediate.
Pterodroma so.	2	
Shear - pet	181	Most likely Wedgetails.
Frigate so.	1	
Hauraiian Noddy	1	
Jauxanu II Journal		
		Total Birds 531
		Total Sightings
		Total Flocks & (471)
		Total Species 10
SI-MNH-11-1-66		Feeding Flocks = 2 (370)

FLOCKS

Time	No.	compo	sition Flock
1445	14	GF	TYPE
1445	19	RF13	<i>+</i>
1445	5	PJ.	T
1455	23	GF	T
1505	.18	P.J.	7
1540	195	WT 150 CN KO RFB 4 GF	Feed ing
1706	22	wT	
1707	175	Shear-Pet (Ardb. W	(7) Feeding
Tot	al (471)		

Number and percentage of species groups in Flocks. Shear . Pet (347) 73.7% (40) 8.5% Tern (23) 4.990 Booby (38) Frigate 8,0 020 (23) # 9 % Jacques

Location 20-06'N; 1590-58' W - 19009 N; 161-31' W

Observer Crossin et al. Date 5 Nov. 66 Time 0538 to 1708

Weather Completely overcast, some Miles 108 Hours 11.5 hrs.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	47	Clight phase, rest?
Sooty Shearwater	7	
Slender-billed Shearwater	42	
6 Christmas Island Shearwater	116	
Newell's Shearwater		
Juan Fernandez Petrel	2	- 5000 () \ 1 \ 0
White necked Petrel / Prerodroma syterna	2	Physotocatad
Kermadec Petrel	2	Circy serer caraci
Phoenix Island Petrel		
Mottled Petrel	,	
Bonin Island Petrel		
Black-winged Petrel	32	
Bulwer's Petrel		
R Leach's Storm Petrel	4	
Red-tailed Tropicbird		
White-tailed Tropicbird	2	
Blue-faced Booby	2	
Brown Booby		
Red-footed Booby	5	
Great Frigatebird	2	
Lesser Frigatebird		
Golden Plover		,
Ruddy Turnstone		
Sooty Tern	1.5	all adults rewrited.
Gray-backed Tern	10	ay war juice week.
Common Noddy Tern		
Fairy Tern	1	chan Pet - 308
Pomarine Jaeger		Show-Pet = 308 Term = 18
	3	Storm Petrel=5
Pterdroma go. Shear-Pet	57	Trespic bird = 2
it phase	1	Booky = 5
Storm-Petrel g. Term go.	7	Frigato = 2
	2	Jaeger = Z
Jucger p.	54	Bu-= 54
PSIrd g.	77	Total Birds
		Total Sightings
		Total Flocks (2 (285)
		Total Species 19
		Feeding Flocks = 16)

Flocks TF 5/p. 0811 8 6 1010 FEEDING BWP 4 5/56 48 1028 5/6 SH. 14 1032 5/5/5 ナキ 17 1110 BWP 4 ナド 1310 5 Birds TIF 1425 50 1 / 5/56 1430 5 WT 40 63 1505 TF 5-P 20 1520 57 2 3/sb 25 1558 22, 5/50 1604 Number and 70 of Sucies groups in flocks. Shear Pet (229) (Scoty/Slenderbills) (114) 80.4% (40,0 %) Tern 5 2.1 (6) 17.5 (50) Unkstown 100.0

Date (Nov. 1966 Time 0555 to 1729

Weather hearly continuous squally Miles 106 Hours 11.6

MOWREK2	REMARKS
12	10 Light phase 2?
4	
2578	
	,
15	
19	
)	
~ 1	
19	
2	
1	
1	
3	
	probable Arctic
	StormPet = 6
	Shear-Pet = 2665
1	Tern = 4
11	Tropiebild = 3
5	Booby = 2
1	Frigate = 3
autor 1	Shore lund = 1
5	Duck = 1 Misc:
1	Total Birds
,	Total Sightings
1,	Total Flocks 5/ (2547) ALL
	Total Species 20
	2578 15 12578 15 10 11 11 11 11 11 11 11 11

Flocks

Stender-Billed Shearwater

10090 shear-let in flocks. ALL Traveling Flocks.
1441 50
1442 50 1443 20 1444 17 1445 27
1450 1500 40 1502 20
1503 10
1601 18

0602	9
0610	25
0616	20
0622	25
0631	
0633	18
0634	
0637	1 -
0649	/ ^
0654	1
0655	
06 56	20
0657	- 18
0654	35
0701	20
07/0	25
0711	25
0712	30
0717	100
0807	8
0908	115
0940	10
1003	52
1025	15
1036	40
1042	120
1229	112.
1237	13
1300	35
1315	225
1320	5
1340	1.75
1355	50
1406	15
1407	15
1409	10
1415	25
1416	15
1417	5
1431	60
1440	400
1	

Location 16°-00'N:166-50'W — 15-06'N)168-26'W

Observer Crossin et al. Date 7 Nov. 1766 Time 0604 to 1742

Weather partly clardy sea Miles 109 Hours 11.6

Calm enough to run's kiff.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	10	all fight phase.
Sooty Shearwater	5	
Slender-billed Shearwater	198	
Christmas Island Shearwater	4	*
Newell's Shearwater		
Juan Fernandez Petrel	34	10 collected.
White-necked Petrel	2	i i
Kermadec Petrel	2	1 collated.
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	51	8 collected
Bulwer's Petrel		0 601166166
Leach's Storm Petrel	/	decled.
Red-tailed Tropicbird	3	(& LIECT-C-O :
White-tailed Tropicbird	2	105/10-6-1
Blue-faced Booby		1 concepted
Brown Booby		
Red-footed Booby	2	
Great Frigatebird	.2	-
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	/	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		Shear Pet = 318
Pomarine Jaeger		storm Pet = 7
Pterodroma go.	8	Tern = 4
Ptersdroma externa	3	Tropicbird = 7
Thear pet	5-	Books = 1
White-rumped SP.	6	Frique = 3
Tropicbird p.	2	Jarger = 2
tern so.	3	Misc = 1
Jaeger go.	2	Total Birds 343
kil on	1	Total Sightings
0		Total Flocks 14(193)
		Total Species 13

14 (193)

10000 shearPet. 96.400 = 5/5b. BWP JFP KP 5/56:565 2 11 43 13 (184)

Nocturnal

Location 15-06 N; 168-26W - 160-08N; 16922W

Observer Crossin et-al. Date 7-8 Now 1966Time 1942 to 0615

Weather Mostly clear, wind caron. Miles 121 Hours 12.6

SPECIES	NUMBERS	REMARKS
_aysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater	/	
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	5	
White-necked Petrel	~	
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	5	
Bulwer's Petrel		
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	2	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		5hear-Pet = 22
	7	Tern = 2
Pterodroma fo.		M15 < = 5
de Pt	4	
Shear-Pet Bird 6.		
131rd 8.	<u> </u>	
		Total Birds 29
		Total Sightings
		Total Flocks
		Total Species 4

Location 16-06N; 169-22W To Johnston Atoll SA.

Observer Crossin et al. Date 8 Nov 1966 Time 0615 to 0950

Weather Squalls all about Miles 40 Hours 3.6

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	11	
Sooty Shearwater / 5/	4	
Slender-billed Shearwater	3	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	3	
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel	/	
Bonin Island Petrel		
Black-winged Petrel	4	
Bulwer's Petrel	7	_
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird	1.	
Lesser Frigatebird	• 1	
Golden Plover		
Ruddy Turnstone		
Sooty Tern		
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
Pterdrome so.	1	
Ptersdroma p. Shear-Pet	4	Shear Pet = 31
		Tern = 1
		Booby = 1
		Frigatif - 1
		Total Birds
		Total Sightings
		Total Flocks O
		Total Species 8

Location Johnston Atoll > 16-29N; 169-49W

Observer Crossin et al. Date 11 Nov 1966 Time 1520 to 1744

Weather scattered squalls on horizon. Miles 22 Hours 2.4

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		
	Wedge-tailed Shearwater	5	4 light phase 1?
	Sooty Shearwater		- SM prese
	Slender-billed Shearwater		
	Christmas Island Shearwater		
	Newell's Shearwater		
	Juan Fernandez Petrel	j	
	White-necked Petrel		
	Kermadec Petrel		
	Phoenix Island Petrel		
	Mottled Petrel		
	Bonin Island Petrel		
	Black-winged Petrel		
	Bulwer's Petrel		
	Leach's Storm Petrel	1	
	Red-tailed Tropicbird		
	White-tailed Tropicbird		
	Blue-faced Booby		
405	Brown Booby	7	4' w/ prange streamors
	Red-footed Booby	(
105	Great Frigatebird	5	1 w/ orange Streamer
•	Lesser Frigatebird		
	Golden Plover		
	Ruddy Turnstone		
	Sooty Tern	2	
	Gray-backed Tern		
105	Common Noddy Tern	. 8	Iw brance streamer
	Fairy Tern		
	Pomarine Jaeger		shear-Pet = 9
	Shear Pet	2	oform-Pet = 2
	Shear Pet White rumped 5P Brid	1	Tern = 10
-	Bill	4	Booky = 7
	- July		Frigute = 5
			M150 = 4
			Total Birds
			Total Sightings
			Total Flocks 0
			Total Species 5

Nocturnal.

Location 16°-29 W; 169-49 W — 15°-11'N; 171°-33'W

Observer Crossin et al. Date 11-12 Now 1966 Time 1944 to 0615

Weather scattered douds. Miles 125 Hours 12,5

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	*	
Bulwer's Petrel		
Leach's Storm Petrel	1	- 11- 1 1 1 - 1 - 1
Red-tailed Tropicbird		collected, flew on ship.
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	. ?	
Gray-backed Tern		
Common Noddy Tern		Shear - Pet = 17
Fairy Tern		Storm Pet = 1
Pomarine Jaeger		Jern = 5
	5	Jaeger = 1
Small Pterudruma	2	Misc. = 1
	9	V (1 3 C ·
Shear Pet	1	
Jarger 6-	2	
Term so. Bird so.	4	
131rd p.	J	Total Birds
		Total Sightings
		Tatal Flools
		Total Species 6

Northern Grid

Location 15°-11'N: 171°-33'W-13°-56'N; 173°-09'W

Observer Crossin et.al. Date 12 Nov. 66 Time 0615 to 1802

Weather Mostly clear, Choppy swells Miles 120 Hours 11.8

SPECIES	NUMBERS	REMARKS
Laysan Albatross		1 maternal
Black-footed Albatross		Large natural
Wedge-tailed Shearwater		01/3/10/ 34 0/70
Sooty Shearwater 5/56	34	
Slender-billed Shearwater	30	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	29	1 collected 2535
White-necked Petret P. ettern		1 (0)120120
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	50	
Bulwer's Petrel		
Leach's Storm Petrel	4	2 allected 2536 + 2537 collected 2538
Red-tailed Tropicbird	/	collected 2538
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird	4	
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern		
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		Shear-Pet = 147
Pomarine Jaeger		Shear-Pet = 147 Storm. Pet = 10
Ptorod roma so.	.3	Tropicbild = 1
Pterod roma go. White-vumped SP	6	Frégutebild = 4
Brid	1	Misc = 1
		Total Birds 163
		Total Sightings
		Total Flocks 7 (122)
		Total Species 6

Flocks

0740	. 41	JFP 20 BWP 15 WRSP 5- LSP 1	Feeding
0740	18	5/56	TF
0750	13	5/56	TF
0846	13	BWP 12 25P 1	Feeding
0940	9	13 WP	Feeding
1532	6	5/56=56	s TF
1545	22	565	TF
(7)	122		

Location 12°-42 N; 174°-46 W — 1131 N; 176°-16 W

Observer Crossin et al. Date 13 Nov. 1966 Time 0637 to 1819

Weather intermittent squall activity Miles 113 Hours 11.7 hrs.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	/	light phase
Sooty Shearwater		
Slender-billed Shearwater		5 riff rum from
Christmas Island Shearwater		1245 - 1625
Newell's Shearwater		
Juan Fernandez Petrel	15-	1 collected
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	19	4 collected
Bulwer's Petrel		7
teach's Storm Petrel	3	
Red-tailed Tropicbird	1	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover	2	
Ruddy Turnstone		
Sooty Tern	9	1 call: mm 943-23575
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
Pale-footed Sheurtzo	-	Shoar-Pet = 44
Plerodroma go.	2	Shear-Pet = 44 Storm Pet = 3
Shear Pet	6	Tern = 10
Noddy go.		Tropicbild = 1
Jarges p.		Shore bird = 2
2018 9 8		Jaeger = 1
		Total Birds
		Total Sightings
		Total Flocks / (//)
		Total Species

Flocks

TF(SF) 1215 5/3

Location 10°-34'N; 3770-50'W - 9°-24'N; 179°-25'W

Observer Crossin et. al. Date 14 Nov. 66 Time 0646 to 1835

Weather Mostly clear, sea Miles 118 Hours 11.8

calmas glass toward sunset

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	3	2 listsphase, I dark phase
Sooty Shearwater		Java prase
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		Skiff run from 1228-1605
Juan Fernandez Petrel	1	2(11) 143) 1000 1228-1003
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	24	10011. DS- Cton all moreignostic
Bulwer's Petrel	4	1001/. 75 Stenella reseiventris 2001/. 1collected.
Leach's Storm Petrel	2	2001.
Red-tailed Tropicbird	1	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	1	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
White wine of Potrol	1	Show-Pet= 40
White-winged Petrel Pterodrana go.	7	Shear-Pet= 40 Storm-Pet= 2
ect Sharp-tailed Sandpiper	1	Term = 1
Bird 8-	/	Tropicbird = 1
		shorebird = 1
		MISE = 1
		Total Birds 46
		Total Sightings
		Total Flocks
		Total Species 9

Location 8-12'N; 178-08E; 79-06'N; 178-24'E

Observer Crossin et. af. Date 16 Nov 1966 Time 0655 to 1846

Weather mostly clear, sea calm. Miles 103 Hours 11.9

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		40011 2LP, 2dP
Wedge-tailed Shearwater	39	26 daraphase 10 light phase 3
Sooty Shearwater /Sh	2	
Slender-billed Shearwater	1	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		9
Kermadec Petrel		rollected - I believe this to be Herald.
Phoenix Island Petrel Habitica		Tollected - + weller bits to be liferala.
Mottled Petrel	7	
Bonin Island Petrel		
Black-winged Petrel	8 10	1 cal/.
Bulwer's Petrel	6	
Leach's Storm Petrel	.3	all collected. 3 collected
Red-tailed Tropicbird		coll.
White-tailed Tropicbird	5	1 coll.
Blue-faced Booby		
Brown Booby	1	coll.
Red-footed Booby	1	Coll.
Great Frigatebird 80.	2	
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		-
Sooty Tern	58	10 coll., 1 Imm, 1 SA, 8 Ad.
Gray-backed Tern	00	161 (011-)
Common Noddy Tern	3	1 coll. Shear-Pet = 83
Fairy Tern	1	Storm-Pet= 3
Pomarine Jaeger	1	coll. tern = 64
		Tropicbird = 6
Pale-footed Shear	13	Boolby = 2
Shearwater for	0	
terodroma externa	9 6	Heall. Tuesar = 3
Herald's Petrel Herald's Petrel	98	Heall, Jueger = 3
Meralds letrel		
terodroma spo-	10	Total Birds
Jaeger g.	2	
tern p.	2	Total Sightings
		Total Flocks 2 (59) Total Species 20

Flocks 1204 53 1636 WT 15 Feeding Pterop 5 J-p-2 F801

Nocturnal

Location 7°-06'N; 178°-24'E - 5°-50'N; 17927E

Observer Crossin et. al. Date 15-16 Nov 66 Time 1846 to 0655

Weather mostly clear Miles 95 Hours 12,2

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater / 56	/	
Slender-billed Shearwater	2	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	1	
Bulwer's Petrel		
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		•
Ruddy Turnstone		
Sooty Tern	11	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		Shear-Pet = 5
Pomarine Jaeger		Shear-let = 5 $tern = 12$
Shear Pet	. /	Tropichild= 1
Tropicbird fo.	/	Misc. = 3
Tern so	/	
Ried S.	3	
		Total Birds 2
		Total Sightings
		Total Flocks
		Total Species 4

Location 05-50'N; 179-27 E; 4-51N; 179-48 W

Observer Crossinet al Date 16 Nov. 1966 Time 0655 to 1843

Weather intermittent light squals Miles 117 Hours 11.8

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		2 dark please coll.
	Wedge-tailed Shearwater	33	24 dark please est. 24 dark phose, 4/ight phase, 5 unknown
	Sooty Starter/56	29	
	Slender-billed Shearwater	48	
	Christmas Island Shearwater		
	Newell's Shearwater		
	Juan Fernandez Petrel	1	
	White-necked Petrel	2	-
	Kermadec Petrel	1	
	Phoenix Island Petrel / tahita:		
	Mottled Petrel		
	Bonin Island Petrel		
	Black-winged Petrel	9	
	Bulwer's Petrel	4	
	Leach's Storm Petrel	1	
	Red-tailed Tropicbird		
	White-tailed Tropicbird	3	
	Blue-faced Booby		
	Brown Booby		
	Red-footed Booby	2	
	Great Frigatebird		*
•	Lesser Frigatebird		to term
	Golden Plover		· fing Sobre!
	Ruddy Turnstone		parasi
	Sooty Tern	121	
_	Gray-backed Tern		Shear - Pet = 159
	Common Noddy Tern		Shear-Pet = 159 5torm-Pet = 13
	Fairy Tern	17	term = 138
Zonertai	led Pornarine Jaeger	1	Tropic pird = 3
		9	10011. Booby = 2
	Whitewriged Petrel Ptersdrama 6. Shear - Pet	11	Jueger+skua = 2
	Shock - Pet	2	Jueger+skua = 2 Misc = 1
	Small Pterodroma	9	
		/2	
U	shife-rumped S.P. SKua		
		1	Total Birds
	Bird		Total Sightings
			Total Flocks 16 (216)
			Total Species 15
			feeding Flocks= 4 (106)

Flocks

0717	17	ST 9 WT 6 FT 1 BWP	Feeding
0758	5	WRSP 3 Pterosp.	5 =
0807	9	S/sb 2 WT 3 ST 1 Sm. Ptero. 3	5 F
0852	5	565	
0912	6	5/sb	
0924	22	Sbs	+-F
1015	.9	5/56	TF
1230	5	5/5b 4 wt 1	TF
1325	9	WNP 1 WT Z ST ST P.80. 1	5
1353	61	ST 46 FT 16 WESP 1 BURSP 1 RFB 2 WT 4	Feeding
1417	12	ST 11	5 F
1510	7	WT 1	TF
1520	9	ST 4 wt 3	teeding
1527	15	Sm Ptero Z	To For
1532	6	5/	
1725	19	3T 18 P. SO 1.	Feeding

hast day before Southern Grid

Location 03-49'N; 179-11'W - 02-23N; 178-43'W
Observer Crossin of al.

Date 17 Nov. 1866 Time 0638 to 1837

Weather Mostly clear

Miles 90 Hours 12.0

SPECIES	NUMBERS	REMARKS
aysan Albatross	題	
lack-footed Albatross		
Wedge-tailed Shearwater	32	all dark phase
ooty Shearwater	1	
lender-billed Shearwater	67	
Aristmas Island Shearwater	28	
lewell's Shearwater		
uan Fernandez Petrel	1	· -
White-necked Petrel	2	
Cermadec Petrel		
hoenix Island Petrel /Tahitian	2	
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	14	
Bulwer's Petrel	3	
each's Storm Petrel	5	
Red-tailed Tropicbird	3	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		3
Great Frigatebird 8	1	
esser Frigatebird	1	
Golden Plover		
Ruddy Turnstone		
Sooty Tern	80	
Gray-backed Tern		Shear - Pet = 165
ommon Noddy Tern		Storm - Pet = 12
airy Tern		Tern = 80
Pomarine Jaeger		Tropicbird = 3
Haradrama E.	12	Frigate = 2
Vhite-rumped Storm Etrel	7	Bird = 3
Shear-Pet	5	
`	4	
Nhite-winged letre	3	
Bird		
		Total Birds 265
		Total Sightings
		21(61~)
I-MNH-11—1-66		Feeding Flocks = 2 (40)

FLOCKS

0740	5	5b	TE
0745	6	SSB	TF
0758	5	56	TF
6850	15	ST	SF
0923	5	ST	5F
0957	7	ST	SF
1140	11	ST 10 WT 1	TF
1205	15	56	TF
1238	5	5t	SF
1255	9	STE	3 Feeding
1314	9	5/56	てド
1358	31	ST P. 80	4 GGWING
14-05	6	5156	TF
1406	13	56	TF.

14 (142)

Nocturned 56.

St wight 56.

Location 02-23 N: 178-43 W - 01-28 N: 177-25 W

Observer Crossin et. of.

Date 17-18 Nov 46 Time 1837 to 0552 Weather Hours 11, 3 Miles 90

SPECIES	NUMBERS	REMARKS
aysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	2	darkphase
Sooty Shearwater		
Slender-billed Shearwater	2	
hristmas Island Shearwater		
Newcll's Shearwater		
uan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
hoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
_each's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		4
lue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
esser Frigatebird		
Golden Plover		
Ruddy Turnstone		
ooty Tern	3	
Gray-backed Tern		
Common Noddy Tern		
airy Tern		Shear-Pet= 12
omarine Jaeger		Term = 3
terdaroma go.	6	Misc = 3
Bird	3	
		Total Birds 28 Total Sightings
1		T , 1 r1 1
		lotal Flocks

Southern Grid First day.

Location 01-25 N; 177-35W - 00-58 N: 176-20 W

Observer Crossin et. al. Date 18 Nov. 1966 Time 0638 to 1833

Weather heavy wind, seas rough. Miles 90 Hours 71.9-1.3 hrs.

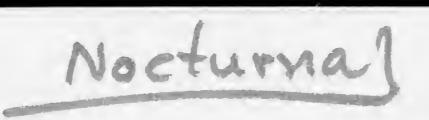
= 10.6 hrs.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	8	ALL Jark phase
Sooty Shearwater	2	THE BUTTE PRIESE
Slender-billed Shearwater	147	
The Christmas Island Shearwater	78	
Newell's Shearwater	70	
Juan Fernandez Petrel	4	
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel Tahitia	1	
Mottled Petrel	2	
Bonin Island Petrel		
Black-winged Petrel	9	
Bulwer's Petrel		
WR Leach's Storm Petrel	7	
Red-tailed Tropicbird	7	
White-tailed Tropicbird	2	
	177	
Brown Booby	131	1 ad where paint, 1 ad. Blue streamer
Red-footed Booby	22	
Lesser Frigatebird .	51	
Golden Plover	2	
Ruddy Turnstone		
Sooty Tern	217	
Gray-backed Tern		
Common Noddy Tern		Shear-Pet= 258 Storm-Pet: I
Fairy Tern		
Pomarine Jaeger		tern = 2]]
White-winged Petrel Ptersdroma go.	3	Tropic bird = Z
Ptersdroma go.	5	Booby = 134
S S		Frigate = 53
Shear - Pet	1)
		Total Birds 659
		Total Sightings
		Total Flocks 22 (515)
		Total Species 4 Feeding Flocus = 2 (322)

FLOCKS

		/	
0652	5	56	丁丁
0740	7	55	TF
0745	5	5/56	TF
0915	<i>15 5</i>	5b 3b	TF
	30	56	TF
0935	5		TF
0956		56	TE
1045	7	20	
1048	22	ST	Feeding
1700	20	5/56	TF
1128	11	56	TF
1146	14	5/56	TF
1210	6	BFB	TF
1215	5	57	TF
1238	14	5/56	TF
1335	8	56	TF
1420	10	5/56	TF
1435	10	57	TE
1500	6	56	TF
1502	5	st	ナド
			•
1720	300	ST 150 BFB 100 F 50	Feeding
1824	5	56	TR
		į	

22 (515)



Location 00-58 N; 176-20W — 00-45 N; 176-64W

Observer Crossin et. al. Date 18-19 Nov.66 Time 1853 to 0627

Weather wind cq. 25 knots. Miles 105 Hours 11.9

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater	1	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		·
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel	·	
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Rteach's Storm Petrei	1	
Red-tailed Tropicbird	1	
White-tailed Tropicbird	*	
Blue-faced Booby		
Brown Booby		
Red-footed Booby	7	
Great Frigatebird	*	
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	14	
Gray-backed Tern	- ,	
Common Noddy Tern		
Fairy Tern		Shear-Pet = 6
Pomarine Jaeger		Tern = 14
	7	Tropic bird = 1
White-Winged Petrel Thear - Pet	7	Storm-Pet = 1
Pterodyoma p.	3	Booby = I
I rerad roma b.		
		Total Birds 23
		Total Sightings
		Total Flocks
		Total Species 6

Location	00-45N; 176-0	4w - 00-15	N;178-07W
Observer	Crossin et. 41.	Date 19 Nov. 1966	
	seas rough.	Miles 127	Hours - 1 hr. 15 min d-
			= 11.0 h-s-

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	5	all dark phase
Sooty Shearwater	3	
Slender-billed Shearwater	14	
6 Christmas Island Shearwater	21	
Newell's Shearwater	7	
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel Hahitar	7	
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel .	5	
Bulwer's Petrel	1	
R Leach's Storm Petrel	8	
Red-tailed Tropicbird	3	
White-tailed Tropicbird		•
Blue-faced Booby	72	2 ad. w/ Blue Streamers, 5 im. w/B.
Brown Booby	3	a w siveamers, o im, w/13.
Red-footed Booby	2	
Great Frigatebird 80.	17	
Lesser Frigatebird	17	
Golden Plover	* /	
Ruddy Turnstone		
Sooty Tern	693	
Gray-backed Tern		•
Common Noddy Tern		
Fairy Tern		Shear-Pet = 63
Pomarine Jaeger		Storm Pet = 8
Ptorday	9	Tern = 693
Pterodroma go- Shear Pet.	3	Tropicbiré = 3
Jried re.		Book = 77
		Booky = 77 Frigate = 34
		171901 €
		Total Birds
		Total Sightings
		Total Flocks 26 (744)
		Total Species 13

Flocks

0735	6	ST TE
0737	5	ST TF
0742	7	ST TF
0809	58	5755° F803 5F
0835	44	5T 40 F 80 1 5 F Sh. Bt 3
0837	9	SB TF
0924 0927 0935	7 5 7	BFB TF BFB TF
2055	27	ST TF
1105	172	ST 150 BFB 10 Feeling LF 9 Kgo 3
1110	6 23	BFB TF SFB 1
1113	30	st Feeding
1128	11	SF TF BF135 TF
1148	59	5/56 Feeding Fr 3
1202	5 110	ST 100 ST 100 FF 2 LF 2 BFB 4 BFB 1 WT
1416 1420 1421 1438	7 12 5 54	5/56 TF 5/56 TF 5/56 TF 5/56 TF 57 50 F& 3 TF Hero. 1
1501 1532	40	ST TF ST 19 ST 17

26 (744)

TF

51

1646

Nocturnals

Location 60-15N; 178-07W — 00-265; 177-24W

Observer Crossin et. et. Date 19-20Abs 66 Time 1841 to 0638

Weather Miles 109 Hours 11.8

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	1	
Sooty Shearwater		
Slender-billed Shearwater	1	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	10	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		Shear Pet = 7
Planderoma sp.	2	Shear Pet = 7 Storm Pet = 1
Plenderoma sp. Bird Shear Pet	/	Tern = 10
Show Pet	3	ausc = 1
,		
		Total Birds / 9
		Total Sightings
		Total Flocks 🗷
		Total Species 5

SPECIES	NUMBERS	REMARKS
_aysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	45	all dark phase
Sooty Shearwater		
Slender-billed Shearwater	54	
Christmas Island Shearwater	5	
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel Habitier	, 3	
Mottled Petrel		•
Bonin Island Petrel		
Black-winged Petrel	6	
Bulwer's Petrel		
Leach's Storm Petrel	1	coll.
Red-tailed Tropicbird	1	
White-tailed Tropicbird		
Blue-faced Booby	9	
Brown Booby	1	
Red-footed Booby	44	
Great-Frigatebird 80.	35	
Lesser Frigatebird	23	
Golden Plover		
Ruddy Turnstone		
Sooty Tern	386	11 adis collected.
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		Shear Pet = 122
Pomarine Jaeger		5 hear Pet = 122 5 form Pet = 8
ew Zealand Shear Ho	4	tern = 386
ittle Shear Ho	1	Trapichird = 1
nite - winged Petral	2	Booby = 54
terodroma p.	2	Frigute = 58
Thear Pet	1	Shoubird = 1
Lito Rumsed SP	4	<i>t</i>
shife Rumped SP Sander ling		coll. Total Birds 630
7	V	Total Sightings
		Total Flocks 8 (540)
		Total Species 17

1112	5	57	TF-
1300	7	56	† F
1300	189	ST 100 RFB 40 WT 20 Fg 22 BFB 7	Feeding
1340	10	56	TE
1406	9	57	TF
1430	5	5 T	TF.
1640	154	57/00 2F 20 WT 15 RFB \$4 NS 1 56 4 FF 10	Feeding
1825	161	ST 150 WT 8 LF 2 WRSP 1	Feeling
	8	(540)	

Nocturnas

Date 20-21 Nov66Time 1834 to 0627

Weather clear until 0100 - cloudy Miles 1/6 Hours 11.9

trom They on.

SPECIES	NUMBERS	REMARKS
Laysan Albatross	e	
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel	5	
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby	6	
Brown Booby		
Red-footed Booby	3	
Great Frigatebird 8.	1	
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	242	
Gray-backed Tern		
Common Noddy Tern		Shear Pet: 7
Fairy Tern		Shear Pet: 7 Stormpet = 5
Pomarine Jaeger		Tern = 243
Small Ptexo.	2	Booky = 9
Theur Pet	5	Frigate = 1
Tern p.		
lern p.		
		1
		Total Birds 265
		Total Sightings
		Total Flocks
		Total Species 6

Southern Grid Last day

00-441V-176-31W _ 00-405;176-12W Location Observer Crossin et al. Date 21 Nov. 1966 Time 0627 to 1836 Weather mostly clear, sea rough. Miles \$2/00 Hours 12.2 hrs -

of her 20 min Howlas

SPECIES	MILMPERC	= 10.0h
	NUMBERS	REMARKS
Laysan Albatross Black footed Albatross		
Black-footed Albatross Wedge tailed Shearwater		
Wedge-tailed Shearwater	8	all dark phase.
Slander billed Sharwater	2	
Slender-billed Shearwater	7	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel	*	
Black-winged Petrel	17	
Bulwer's Petrel	ers.	
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby	73	4 Imm. w/ Blue Streamers
Brown Booby	3	
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird	7	
Golden Plover		
Ruddy Turnstone	6	
Sooty Tern	242	
Gray-backed Tern		Shear-Pet= 41
Common Noddy Tern		Storm Pet = 3
Fairy Tern		tern = 243
Pomarine Jaeger		Buoby = 76
	5	
Pteros roma p. Shear Pet	2	Frigate = 32 Shorebird = 6
		Short Cort
WRSP	28	
Frigate &.	20	
		Total Birds
· · · · · · · · · · · · · · · · · · ·		Total Sightings
		Total Flocks 15 (278)
		Total Cossis

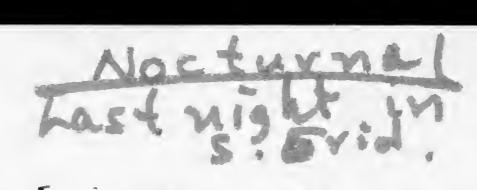
SI-MNH-11-1-66

Total Species Feeding Floors (4 (173)) Flocks

0643	6	BFB	TF
0646	12	BFB	TF
0814	77	57 60 BFB 12 Fg 4 BB 1	Feeding
0825	42	St 40 Fg 2	Feeding
1149	6	RT	TF
1312	5	ST	ナド
1324	5	FS	TF
1348	7	BFB2 BB1	Feeding
1414	23	ST	TF
1537	6	ST	TF
1545	8	ST	TI
1557	47	5739 F8 8	Feeding
1617	18	57	TF
1649	10	57	TF
1720	6	57	TF

15 (278)

1



Location 00-405; 176-72 W	- UQ-005;176-	
Observer (rossin et al.	Date 21-22 rev 66 Time 1836 to 0400	id
Weather moonlight, clear.	Miles 92 Hours 9,4	

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
WRteach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	11	
Gray-backed Tern	12	
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		Thear Ret = 2
Shear Pot	2	Storm Pet = 1
		Tern = 23
		Total Birds 26
		Total Sightings
		Total Flocks
		Total Species 11

Location 2-245; 173-33W - 4-155; 174-50W

Observer Crossin et-al. Date 22 Nov. 1866 Time 0620 to 1836

Weather Clear, sea choppy Miles 121 Hours 12.3

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross	į.	
Wedge-tailed Shearwater	17	all dark phase.
Scoty Shearwater	1	
Slender-billed Shearwater	10	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel Hahite	- 1	
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	17	
Bulwer's Petrel	1	
Leach's Storm Petrel	2	
Red-tailed Tropicbird	12	
White-tailed Tropicbird		
Blue-faced Booby	5	
Brown Booby	1	
Red-footed Booby	1	
Grant Frigatebird So.	77	
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone	2	
Sooty Tern	964	
Gray-backed Tern	701	
Common Noddy Tern		Shear-Pet = 35
Fairy Tern	9	Storm Pet: 16
Pomarine Jaeger		Tern - 989
Audubon's Shear	1	Tropic bird = 14
Pterodroma p.	4	Rooby = 7
Shear - Pet	3	Frigate = 77
WRSP	14	Misc = 1
Tropic bird p.	2	Shorebird = 2
Bird Bird	1	
Blue-gray Noddy	1	Total Birds
Blue-gray Noddy Tern p.	15	Total Sightings
12111		Total Flocks 36 (972)
		Total Species 16

Flocks

```
ST TF
 0715
          5
               ST16 FTZ TF
 0845
          18
0900
          7
                ST TF
                ST100, FT1, Fgo 6, P.Sp. 1, WT8, Feeding
0915
          116
               ST 40, WT 2, Fgs. 1 Feeding
0921
          43
                  ST Feeding ..
0925
                  ST TF
0932
                 ST8, FT1. SF
0947
                 ST
          23
1007
          6 = 6
                 STS, F. Sol TF
1036
          5
                 ST TF
1040
                 ST TF
1047
                 ST TF
1049
                 ST TF
1103
1112
                  5 T
                      TF
                  ST TF
1139
          15
1143
              ST100, Fgo 3, WTY FEEDING
1145
         107
               ST 300, Fp 47 Feeding
1150
        347
                       TF
               5.80.
1212
                       TF
1216
                51
                       TF
1253
         18
                 ST
                        TF
1257
1317
         9
                       TF
1318
        30
1324
            Stso, WT1, FT1, Feeding
        52
1428
             ST
        5
1428
        15
1520
            ST 16, Fg1, FT1 Feeding
        18
1600
1602
                     TF
1615
             $ TT. p.
1633
                   フチ
1745
1813
                   TE
                    TF
1832
```

Location 06-035; 174-06 W - 07-485; 173-58 W

Observer Crossin et al. Date 23 Nov. 1966 Time 06/2 to 1835

Weather Sea fairly (2lm mostly Miles 125 Hours 12.4

Clear all latay.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	3	all dark phase
Sooty Shearwater	1	
Slender-billed Shearwater	2	
66 Christmas Island Shearwater	1	
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel	•	
Kermadec Petrel		
Phoenix Island Petrel Huhi,	tran 1	
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	10	1 coll.
Bulwer's Petrel	2	1 colf.
2 Leach's Storm Petrel	1	
Red-tailed Tropicbird	3	
White-tailed Tropicbird	1	
Blue-faced Booby	1	
Brown Booby	2	1 coll.
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	429	\$ col/.
Gray-backed Tern		
Common Noddy Tern	1	Shear-Pet= 30
Fairy Tern	8	Slorm Pet = 1
le Pomarine Jaeger	2	1084. Tern = 438
White-wing Pet	3	Tropicbird = 4
Herald's Pet		B08by = 3
	3	= 2 Jueger = 2
Shear-Pet	4	
JIEM - IVI		
		Total Birds
		Total Sightings
		Total Flocks // (420)
		Total Species /7

0845	63	ST 60 CN 1 Feeding WT 1 BWP 1
0910	1//	ST 110 Feeding
0911	30	ST Feeding
0915	4/	ST 36 FT 3 Feeding P.S. 1
0958	80	ST Feeding
1005	10	ST SF
1344	40	ST 35 FT 2 TF 5-P 3
1345	18	STIS TF FT 3
1410	15	ST SF
1425	6	57 SF
1700	6	ST TF
	1/	120)

1 de la decembra de l

Location 9°-03'5, 172°-00W — 11-115:171-04W

Observer (vossin et. all. Date 24 Nov. 1866 Time 55°-57 to 1830

Weather Clean, alm seas esp. Miles 105 Hours - 1 hr. 25 min

at Swains

- 11.1 hrs-

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		
	Wedge-tailed Shearwater	11	all dark phase
	Sooty Shearwater	1	
	Slender-billed Shearwater	4	
5/56	Christmas Island Shearwater	26	
Management of the Control of the Con	Newell's Shearwater		
State of the state	Juan Fernandez Petrel		
den right	White-necked Petrel		
gantau	Kermadec Petrel		
	Phoenix Island Petrel / talent	2	
white win	Monted Petrel		
w/BW-	Bonin Island Petrel	2	
	Black-winged Petrel	12	
_	Bulwer's Petrel	2	
WR	Leach's Storm Petrel	1	6
	Red-tailed Tropicbird		*
_	White-tailed Tropicbird	2	
	Blue-faced Booby		
-	Brown Booby		
	Red-footed Booby		
	Great Frigatebird		
	Lesser Frigatebird		
-	Golden Plover		
_	Ruddy Turnstone		
	Sooty Tern	19	
	Gray-backed Tern	. e	
	Common Noddy Tern	9	
- made-on	Fairy Tern	23	
_	Pomarine Jaeger		Them-Pet=68
demon	Pferodroma go-	4	Storm Pet = 1
	Sheer pet	3	Jern = 51
			Tropicbive = Z
			Total Birds / 22
			Total Sightings
_			Total Flocks 2 (43) Withfording
equincile			Total Species / 2

1209 24 St 15 FT 2 UT 6 Feeding P.So. 1

1510 In Ft 15 CN 4 Feeding

and the second of the second o

S. Salar

2 (43)

Last day 1st half.

Location	12-57	5,	170-5	57W	-	Paso Pase	
Observer	Crossin	-ex-	af,	Date	25-NO	66 Time 0546 to 1345	_
Weather	Squalls	Sea	rough.	Miles	74	Hours 8.0 hs.	

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	/	dark phase
-Seet Shearwater 5/56	3	
Slender-billed Shearwater	S	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel	1	
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
JW Bonin Island Petrel	1	
Black-winged Petrel	//	
Bulwer's Petrel Ptero 8.	2	
Leach's Storm Petret Sherry	-+ 1	
Red-failed Tropicbird &	2	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby	2	
Red-footed Booby	5	
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern		
Gray backed Term Haw Now	10 1	
Common Noddy Tern	7 38	
Fairy Tern	37	
Pomarine Jaeger		Shape Pet = 25
		1 ern = 76
		Shear Pet = 25 Tern = 76 Tropichuid = 3
		Boston - 7
		Total Birds ///
		Total Sightings
		Total Flocks 5 (45)
		Total Species //

F/ocks

CN 6 SF PTZ 1256 1304 CN & 10 51= PT 2 1316 Feeding , ot 80 1 1318 CNS FT 3 CN 1242

1st dan 2nd half.

Location	Pago	Paso.	Am-Sa	imoa	-> 13	-505;	170-30 W	
Observer	Cressin	et al.		Date 2	9 Nov. 60	Time /	620 to 1836	
	Cloudy		covel.	Miles	24		2 hrs. 16 min	
)				,		2.3 hrs.	

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	6	all Love phase
Sooty Shearwater	1	The second secon
Slender-billed Shearwater	1	
Christmas Island Shearwater	1	
Newett's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petral Ptarodyon	45a. 3	
Bonin Island Petrel	1	
Black-winged Petrel	7	=
Bulwer's Petrel	7	
Leach's Storm Petrel	1	
Red-tailed Tropicbird		
White-tailed Tropicbird	/	
Blue-faced Booby		
Brown Booby		
Red-footed Booby	36	
Great Frigatebird	3	
tesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Term	1	
Gray-backed Tern Sp.	25	
Common Noddy Tern	1117	Shear Pet = 17
Fairy Tern	87	Tern= 1230
Pomarine Jaeger		Tern=1230 Tropicbild = 1
		Boshy = 36
		Bosby = 36 Frigate = 4
		Total Birds 1288
		Total Sightings
		Total Flocks 9 (1248)
		Total Species //

Flocks

Feeding 25 1625 Tem go. 1725 SF RFB 1 TF 1735 RFB 956 CN 900 1755 35 Feeding RPIS 20 1+N CN SF 1802 15 1804 SF 1404 192 1806 Feeding 1815

9 (1248)

Location 12.075; 170-48 -> Swain's Island -> 10-505; 171-04

Observer Crossin et al. Date 30 Nov. 66 Time 0550 to 1835
Weather Sea rough. Miles 78 Hours - 1300-1215 ins

= 8.5

SPECIES	NUMBERS	REMARKS		
Laysan Albatross				
Black-footed Albatross		•		
Wedge-tailed Shearwater	3	darkphase		
Sooty Shearwater	2			
Slender-billed Shearwater	7			
Christmas Island Shearwater	6			
Newell's Shearwater				
Juan Fernandez Petrel				
White-necked Petrel				
Kermadec Petrel				
Phoenix Island Petrel				
Mottled Petrel				
Bonin Island Petrel				
Black-winged Petrel	2			
Bulwer's Petrel				
Leach's Storm Petrel				
Red-tailed Tropicbird	1			
White-tailed Tropicbird				
Blue-faced Booby				
Brown Booby				
Red-footed Booby				
Great Frigatebird				
Lesser Frigatebird				
Golden Plover				
Ruddy Turnstone				
Sooty Tern				
Gray-backed Tern				
Common Noddy Tern	2			
Fairy Tern	17	Shear-Pet = 21 Torn = 20		
Pomarine Jaeger		Term = 20		
Ptersdrama 6.	1			
Ptersdroma p. Hew. Noddy	1			
		Total Birds 41		
		Total Sightings		
		Total Flocks 3 (24)		
		Total Species 7		

1725 7 FF 5E

- 1 u

= +a %

Location	08-595;170-56W	- 07-075;	170-48W
	Crossin et.al.	Date / DIES 66	Time 0514 to 1836
Weather	Clear, Calzon.	Miles 113	Hours 12.7

.

SPECIES	NUMBERS	REMARKS
aysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	4	all dark please
Sooty Shearwater	15	all days please definite white underwing
Slender-billed Shearwater	1	
Christmas Island Shearwater	1/	
Newell's Shearwater		
uan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
hoenix Island Petrel Haching	/	
Mottled Petrel	/ -	
Bonin Island Petrel		
Black-winged Petrel	3	
Bulwer's Petrel	7	
each's Storm Petrel		
Red-tailed Tropicbird	/	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
esser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	81	
Gray-backed Tern		
ommon Noddy Tern	2	
airy Tern	9	
Pomarine Jaeger		chea. Pet = 45
Inte wined Petrel	1	Shear Pet = 45 Storm Pet = 3
arge Ptersona	1	Tern = 92
vilson's St. Pet.	2	Tropicbin/ 21
orijanij 11. /es.		1 A D A C D II A
		Total Birds 141
		Total Sightings
		Total Species 14

1800 26 ST 24

WT 1 Feeding

1807 19 ST TF

1807 5° S/Sh TF

1819 22 ST Feeding

- ...

71 Mg (2) (2) (2) (2) (3) (4) (2) (3)

7

T0-3 00 - A) 0 1

7.0

4 - 4 - 4

Location	05-185; 120-43W	Phoeni	+ Island.
Observer	Crossin et al.	Date 2 Dec - 66	Time 0600 to 1545
Weather	Clear, relm.	Miles 95	Hours 9, 8 hrs.

SPECIES	NUMBERS	REMARKS
aysan Albatross		
lack-footed Albatross		
Vedge-tailed Shearwater	2	all dark
soty Shearwater	7	
lender-billed Shearwater	5-	
hristmas Island Shearwater		
ewell's Shearwater	4	
ıan Fernandez Petrel		
/hite-necked Petrel		
ermadec Petrel		
hoenix Island Petrel/Tulnfum	(
ottled Petrel		
onin Island Petrel		
lack-winged Petrel	2	
ulwer's Petrel	2	
each's Storm Petrel	2	
ed-tailed Tropicbird		
Vhite-tailed Tropicbird		
lue-faced Booby	117	
rown Booby	/ /	
ed-footed Booby	/	
reat Frigatebird	/	
esser Frigatebird		
olden Plover		
uddy Turnstone	1	
ooty Tern	P(-	
ray-backed Tern	2	
ommon Noddy Tern		
	2	Shear-Pet = 28
omarine Jaeger	×	Shear-ret= 2
	/	Tern - 91
urn so.		Ter of the
		72 1 - 13
		Booksy = 12 Trigate = 1
		Shorehard 1
		Total Birds 135
		Total Sightings
		Total Flocks 4.(27)
		Total Species 14

Flocks

SF TF

Location Phoening Island - Enderbury Island.

Observer Crussin et al. Date 5 Dec. 66 Time 0800 to 1/00

Weather mod wind, Clear. Miles 41 Hours 3.0

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		
	Wedge-tailed Shearwater	1	Back please
nd.	Sooty Shearwater	4	-c pulati
-	Slender-billed Shearwater		
gone	Christmas Island Shearwater		
-	Newell's Shearwater		
Appeal	Juan Fernandez Petrel		
-	White-necked Petrel		
_	Kermadec Petrel		
	Phoenix Island Petrel		
_	Mottled Petrel		
B.44	Bonin Island Petrel		
_	Black-winged Petrel		
	Bulwer's Petrel	4	
- 4	Leach's Storm Petrel	1 2	
1	Red-tailed Tropicbird		
-	White-tailed Tropicbird		
_	Blue-faced Booby	17	
_	Brown Booby	······································	
	Red-footed Booby	5-	
	Great Frigatebird	3	
8	tesser Frigatebird go.	1	
_	Golden Plover		
_	Ruddy Turnstone		
-	Sooty Tern	101	
_	Gray-backed Tern	5	
3/40,	Gemmon Noddy Tern	4	
7	Fairy Tern		Shoon Rot = 9
	Pomarine Jaeger		Shear Pet = 9 Sform Det = 91
-			Tev 2 = 1/0
-			Boshy = 22
-			Frigate = 4
-			
-			
_			
			Total Birds 146
-			Total Sightings
_			Total Flocks 6(50)
-			Total Species

Florens

TF 57 0825 TF 0855 14 TF 0507 5/3 0514 136N1 Feeding

BFB1

1016 SE 13

1036 6 575 RFS1

6/50

4 3 9 - 5m

the second of th

Location Enderbury Island	- 2-345 ;1	72-21 W
Observer Gossin et.al.	Date 7 Dec. 66	Time 08/0 to 1830
Weather Clear, calm.	Miles 88	Hours 10,3

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	104	all deck phase
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater	1	
distribution's Shearwater	3	
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel	1	
Red-tailed Tropicbird	3	
White-tailed Tropicbird		
Blue-faced Booby	83	
Brown Booby	24	
Red-footed Booby	4	
Great Frigatebird	10	
Lesser Frigatebird	j	
Golden Plover		
Ruddy Turnstone	6	
Sooty Tern	3104	
Gray-backed Tern	164	
Common Noddy Tern	328	Shear Pat = 110
Fairy Tern	17	Storm Pet = 8
Pomarine Jaeger	1	tern = 3622
white - rumped SP	7	Tropiclowd = 3
Shear Pet	1	Books y = 111
Friante vo.	49	Frigute = 60
Frigate go. Haw. Noddy	9	Shorebird = 6
J		Jueger = 1
		Total Birds 3921
		Total Sightings
		Total Flocks 38 (3784)
		Total Species 18

SI-MNH-11-1-66

Feeding Florks 19 (2937)

08/2	5	RT TF	1252	32	GBT 9
0827	9	ST SF			CN 8 Feeding
0840	880	ST 600 CN 100			5T 15-
		GBT 100 Feeding	1350	27	ST25
		F\$ 30 BFB 50			PJ 1 Feeding
					GF I
0920	6	HN TF	1352	32	ST 25 GF 7 5F
0923	61	ST 55	1353	25:	ST Foeding
		HN 3 WT 1	1353	25	ST SF
		BFB Z	1405	94	5190
0945	5	•	1003		13FB 1 Feeding
0949	126	Fgo 3F ST 120		e) i	F \$ 3
0 (4)		·	1406	63	
		Fg 2 Feeding WT 4			1313 3 Feeding
1017	96	ST 90	1410	. 12	13 13
, , ,		Fg 3	1445		57400
		RFB 1 SF			CN 100
		BFB 2			wT 20 Feeding
1040	191	57 190 SF			BFB 3
		TE FIS 1		ь. —	ET
1100	92	ST SF	1513	107	5T 100
1103	184	ST 178		1-	BFB 3 Feeding
		eut 5			•
		Fg 2	1530	40	ST Feeding
		FT 2 Feeding	1540	100	ST Feeding
		6121 -	1550	321	ST 300.
		CN /			WT 20 Feeding
1126	36	BFB 1 8 T SF	11 7 0	55	
1126	72	ST TF	162.8	3 0	WT 20 Feeding
1128	15	FT 2	1640	176	ST SF
		GBT 12 TF	1750	57	ST 55
		wti			LF I Feeling
1145	6	ST TF			इ-डिर्
1152	5	GBT TF	1800	18	ST Feeding
1205	86	STZ	1810	24	ST Feeding ST 23 Feeding
		6BT 12			
		CN 65 TF	1820	141	ST 120
		FT 4			WT to Feeding 1313 1
		33 3		1	1313
1240	89	CN 52	44		
		GBT 11	1823	7	5 T 51=
		St 8 Fooding		•	
		GP 2 Feeding			
		BFB 3 BB 3			ے ۔ اور ش
		FT 8			

Pre-Grid.

Location	01-45-5;173-55	5 > Ebourdany S. Grid , C	01-38	5;175-00W
	Crossin et al.	Date 8 Dec 66	Time 0	1622 to 1200
	calm, clear.	Date 8 Dec 66 Miles	Hours	5 hrs. 38 min.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
- Sooty Shearwater		
Slender-billed Shearwater	1	
Christmas Island Shearwater		
Newell's Shearwater	-	
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel tahita	es (
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel	4	
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	48	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
		Shear Pet = 2 Storm Pet = 4
		Tern = 48
		Tropichivd = 1
		Total Birds 55
		Total Sightings
		Total Flocks 2 (13)
		Total Species 5

1017 5 ST 7F

1125 8 ST TF

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the day of the second

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1st Day Southern Grid.

Location 01-75-00

Date 8 Dec. 1966 Time 1200 to 1841

Weather sea mod rough, for Miles Hours 6 hrs. 41 min.

Chards.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	19	all dark phase
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
<u> </u>	2	
Red-tailed Tropicbird	2	1 collected subad.
White-tailed Tropicbird		1 collected supua.
Blue-faced Booby	1	
Brown Booby		
Red-footed Booby		
Great Frigatebird Sp	9	2 whales
Lesser Frigatebird	7	
Golden Plover		large tuna beneath florx
Ruddy Turnstone		
Sooty Tern	322	
Gray-backed Tern	000	
Common Noddy Tern	12	
Fairy Tern		
Pomarine Jaeger		5hear-Dot= 19
Blue - Gran Norlda	1	shear-Pet= 19 collected. Storm-Pet= 2
Blue-gray Noddy		Term = 335
		Tropicbird = 2
		Boxby 3 2
		Frigate = 11
		Total Birds 7/
		Total Sightings
		Total Flocks 5 (342)
		Total Species 9
		Feeding Flocks = 3(311)

Flocks

1325	171	5T 150 WT 12 FG 8 BB 1	Feeding
1342	22	5 T	TF -SF
1.440	87	ST 85 LF 2	Feeding
1722	9	ST	SF
1836	53	ST 35 CN 12 WT 6	feeding

5 (342)

1 2:

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1st night-s. Grid Nocturnas

Location	01-315;	175-4790	00	-335:17	76-50U
	Crossin et al.		8-9 Dec	66 Time 154	1 to 0635
Weather	00	Miles	119	Hours //	-54

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross	1	
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
2 Leadh Storm Petrel	,	
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby	/	
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	44	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		Storm Pet = 1
		Tern = 44
		Storm Pet = 1 Tern = 44 Bodby = 1
		Total Birds 46
		Total Sightings
		Total Flocks
		Total Species 3

Location 00-335; 176-	50W - 00-471	1: 176-48 W
Observer Crossin et al.		Time 0635 to 1843
Weather sea rough.	Miles 97	Hours - 20 min. Baker
		Hors.
		= 9-33

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	29	1 hihr deane 28 Jank
Sooty Shearwater		
Slender-billed Shearwater	/	
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel	(2	
Red-tailed Tropicbird	4	
White-tailed Tropicbird		
Blue-faced Booby	36	1 Blue Streamonel 1 mm
Brown Booby		
Red-footed Booby	3	
Great Frigatebird 60	31	
Lesser Frigatebird	1	
Golden Plover		
Ruddy Turnstone		
Sooty Tern	882	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern	8	
Pomarine Jaeger		Shear Pet = 33
Pfordroma f.	1	Storm Pat = 12
Shear - Pet	2	Tern = 890
Britle - Stricked Curles	1	Trypichird = 4
		Booky = 39
		1-visate = 32
		Frigate = 32 Shore wil = 2
		Total Birds 1012
		Total Sightings
		Total Flocks 21 (936)
		Total Species /2

0815	78	ST 70 FT 3 WT 5	Feeding	
0935	103	ST 50 WT 11 Fp 2	Feeding	1 203 1 203
0942	70	5/ 55 FT 5 WT 8 P8 1 RF13	Freding	18 3, 5x 30 x
135-8	G	57	TF	S Section of the sect
1510	20	57 16 BF13 z F8 Z	SF	
1514	15	57	5=	
1516	31	ST 30	FF	
1520	7	BFB	TF	•
1533	/0	57		4
1535	112	57 -16 Fg 2	5 =	
1751	240	ST 225 BFB X FS0 11	7 F	
1754	33	5730 RAB 1	Feeding	
1756	12	BFB		
1758	5 2	17 50 Fg 2	Freding	
	1	-		

TIAT :

ST

Chearing a -47 N; M6-48 W Location 00-47 N; 176-48 W -> Howland Island
Observer Crossin et al. Date 9-10 Dec 66 Time 1843 to 0620
Weather mostly Clour. Miles 44 Hours 11-37

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
-	Black-footed Albatross		
parent of the same	Wedge-tailed Shearwater		
	Sooty Shearwater		
	Slender-billed Shearwater		
	Christmas Island Shearwater		
	Newell's Shearwater		
	Juan Fernandez Petrel		
gabored.	White-necked Petrel		
	Kermadec Petrel		
	Phoenix Island Petrel		
-	Mottled Petrel		
	Bonin Island Petrel		
	Black-winged Petrel		
	Bulwer's Petrel		
WK	Ricachis Storm Petrel		
	Red-tailed Tropicbird		
_	White-tailed Tropicbird		
	Blue-faced Booby	19	
	Brown Booby		el
B	Red-footed Booby	ス	1 banded 747-59002
	Great Frigatebird 80	2	
	Lesser Frigatebird	2	1 Call.
***	Golden Plover		
	Ruddy Turnstone		
s 3B	Sooty Tern	464	27 coll. 3 bandel. 165
\$ 30_	Gray-backed Tern		27 coll. 3 bandreb, 1 b5 953-01140
4111	Common Noddy Tern	,	1 coll. 793-72680
_	Fairy Tern		1 coll. 793-72680 863-80697 +6hre 51
	Pomarine Jaeger		
_			
_			
			Total Birds 4491
			Total Sightings
			Total Flocks
_			Total Species 6

Location	00-48N;176-39W	- 01-29N	; 177 - 57 W
Observer	Crossin et al.	Date 10 Dec. 1866	Time osco to 1846
Weather	4	Miles 107	

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	48	1 light phase, 47 darn pha
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Rteach's Storm Petrel	6	
3 Red-tailed Tropicbird	2	1 coll- 625-87418
White-tailed Tropicbird		16011-623-81410
Blue-faced Booby	28	5 Dlue-Streamen
Brown Booby	6	J J T C C STY LAND
Red-footed Booby		
Great Frigatebird 5	79	
Lesser Frigatebird	17	
Golden Plover		
Ruddy Turnstone	1	
Sooty Tern	439	1 sub and. coll.
Gray-backed Tern		Support. Coop!
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		Shear Pet = 49
	7	Storm Pet = 8
Wilson's SP.		Jern = 439
		Bally - ZX
		1300 mg = 35
		Frigate = 46 Shore burd = 1
		Total Birds 579
		Total Sightings
		Total Flocks 19 (523)
		Total Species 16

Flocks

0811	15	BFB	TF	1435-		
0830	8	FSO	5F			
0831	7	37	TE		3	
0843	54	57 45 BFB 6 BB 2 LF 1	Feeding		Lass Se	Edy
0941	9	57	TF	162,	16 5x 1x 2 1x 2 1x	-
0944	78	57 80 FF 8	5 F	1>33		Leca.
0945	25	57	SF.			
1001	15	57	5F			Tra
1115	18	ST 14 CF U	TF			
1130	22	SF 13	ナチ		i	9
		WT				•
1154	56	57 5 6 F8 3 WT 3	TF			
1205	20	ST 15 F8 5	Freding			
1256	26	ST Z	z Feedir			
14 10	7	ST	TF			
14-16	24	ST 14 WT 10	2 0.1	ng		

Nocturneds

Location 1-29N; 177-59W - 00-03N; 178-20W

Observer Crossin et al. Date 10-11 Dec 66 Time 1846 to 0643

Weather Clear sea & wind held Miles 106 Hours 11-57

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
In bon Seaty Shearwater	2	
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
WR Leach's Storm Petrel	,	
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone	. [
Sooty Tern	15	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
Shear Pet	2_	Shear pet = 4
		Shown pet = 4 storm pet = 1
		Tern = 15
		Shorebird = 1
		Total Birds 21
		Total Sightings
		Total Flocks
		Total Species 4

Location 00-03N; 178-20W — 01-055: 177-57W

Observer Crossin et. al. Date 11 Dec. 66 Time 0642 to 1850

Weather can rough wind mod. Miles 105 Hours 12-8

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
desperience	Black-footed Albatross		
	Wedge-tailed Shearwater	6	
id L	Sopty Shearwater		
-	Slender-billed Shearwater		
	Christmas Island Shearwater		
Systemate	Newell's Shearwater		
********	Juan Fernandez Petrel		
10-4-4-	White-necked Petrel		
	Kermadec Petrel		
-	Phoenix Island Petrel / tahitre		
	Mottled Petrel		
	Bonin Island Petrel		
	Black-winged Petrel		
	Bulwer's Petrel		
WR	Leach's Storm Petrel	4	
_	Red-tailed Tropicbird	1	
	White-tailed Tropicbird	/	
_	Blue-faced Booby		
	Brown Booby		
	Red-footed Booby		
	Great Frigatebird		·
	Lesser Frigatebird		
•	Golden Plover		
-	Ruddy Turnstone		
	Sooty Tern	135	
	Gray-backed Tern	3	
	Common Noddy Tern	i	
	Fairy Tern	2	
_	Pomarine Jaeger	2	Shoes Pot = 9
			Shear Pet = 9 5 Torm Pet = 4
gunynida			Term = 141
-			
-			Tropichid = 1 Jacque = 2.
Special			
_			Total Birds 157
			Total Sightings
			Total Flocks 7 (137)
-			Total Species //

Freding Flows = 2 (45)

Flocks

57 0715 13 TF ST 0834 12 ST TF 0955 10 ST 15 20 1330 6BT 3 Feeding CN MELB 1 Feeding 25 1530

57

51

SF

TIF

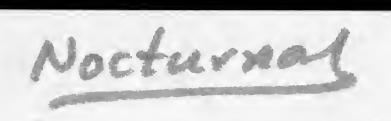
40

17

1542

1553

×



Location	1-055; 177-5		5:176-5-4W
Observer	Crossin et al	Date 11-12 Dec 66	6 Time 1850 to 0637
Weather	mod rough.		Hours 11 - 47

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby	1	
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	8	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
		,
		Total Birds 9
		Total Sightings
		Total Flocks
		Total Species 2

Location 0-095; 176-54W — 01-14N; 176-39W

Observer Crossin tal. Date 12 Dec 66 Time 0637 to 1826

Weather Sen mod. rough, clear Miles 95 Hours — 30 min

2 10-22 Timber

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		
-	Wedge-tailed Shearwater		dark phase
Officeron.	Sooty Shearwater		
	Slender-billed Shearwater		
	Christmas Island Shearwater		
4,000	Newell's Shearwater		
	Juan Fernandez Petrel		
	White-necked Petrel		
	Kermadec Petrel		
S Baranese	Phoenix Island Petrel / tahiti	,	·
-	Mottled Petrel	/	
	Bonin Island Petrel		
	Black-winged Petrel		
IR ST	Bulwer's Petrel	5	
11 71	Leach's Storm Petrel	5	
-	Red-tailed Tropicbird	1	
-	White-tailed Tropicbird		
	Blue-faced Booby	80	SINI IT WALLS
-	Brown Booby	5	T/ Ad. / Im w/ Blue Paint
	Red-footed Booby		1 Ad, 6 Im w/ Blue Streams
	Great Frigatebird Po.	2	2 of the immediate
	Lesser Frigatebird	36	- PAINT.
aphignoni	Golden Plover	8	
-	Ruddy Turnstone		2011.
-			
	Sooty Tern Gray-backed Tern	1141	/ w/ Blu Streamer
			-1 51
ne g	Common Noddy Tern	1	Shear Pet = 2
	Fairy Tern		Storm Pet = 60
-	Pomarine Jaeger		Term = 1142
			Trpichird = 1
g			Booky = 87
_			Frigate = 44
guette			
			Total Birds 1282
			. Total Sightings
			Total Flocks 29 (1212)
-			Total Species 10

		Flocks		
0730	8	ST 5 F8 3	Feeding	
0748	5	ST	SF	1620
1140	23	ST	TF	16.36
1142	25	ST	Feeding.	2 S
1144	9	ST	TF	1643 15. 15. 15. 15. 15. 15. 15. 15. 15. 15.
1158	31.	ST 30 Fq 1	ナト	53 SX Eed
1202	42	ST 40 BFB 1	5	Serve de la company de la comp
121/2	3 (F8		165 385 2 >
1242	36	57 33 Fg 3	Freding	od sold
1246	12	5 T 7 BFB 3 F 8 2	Feeding	1) 12 wests - s
1311	19		Feeding	Est of Share educations
1329	5	BFB 4 1	-F	
1330	7		F	
1349	5	ST / BF83 T	<i>i</i> =	
1358	19	ST18 T	F	
1402	10	STT	F	
1404	8	BFB F	eeding	
1408	15	ST TI		
1408	10	ST T		
1416	5	5T T.	F	
1603	213	51 200		
		BFB 7. RFB 1 LF 5	TF:	
1608	51	57 50 BFB 1	TF	
1615	32.	ST 30 RFB 1	TF	
		BFB 1		

Nocturna

Location 01=14/1/, 176-39W-01-06N; 176-14W

Observer Crossin et. al. Date 12-13 Dec 66 Time 1826 to 5836

Weather wind cq. 15 Kxds; clear Miles 86 Hours 12-10

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
cleach's Storm Petrel	2	
Red-tailed Tropicbird 8.	2	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	19 30	
Gray-backed Tern	1	
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		Storm Pet = 2
tern fo.	2	Term = 22
U		Tropicbild = 2
	-	Total Birds 26
		Total Sightings
		Total Flocks
		Total Species 4

Location	01-06N; 176-14W	0-305	; 176-13 W
Observer	Crossin et. al.	Date 13 Dec 66	Time 0636 to 1843
Weather	Clear Calson.	Miles 97	Hours 12-07

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	1	dark phase
Sooty Shearwater		phase
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel	1	1001/-
Red-tailed Tropicbird	2	10011.
White-tailed Tropicbird		
Blue-faced Booby	76	10011. 568-70052 785
Brown Booby		1134
Red-footed Booby	9	
Great Frigatebird		
Lesser Frigatebird	18	
Golden Plover		
Ruddy Turnstone		
Sooty Tern	242	1 coll.
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		Shear-Pet=1
Pomarine Jaeger or Skua		Storm-Pet = 17
WRSP	16	Tern = 242
Frigate p	37	Tropic bird = 2
J 1		Booby = 86
		Frigate = 56
		Jaeger = 1
		Total Birds 405
		Total Sightings
		Total Flocks 12 (310)
		Total Species 10

7BS/

SI-MNH-11-1-66

Feeding Flocks = 4 (207)

Flocks

0717 5 BFB TF

0745 93 S# 90

BFB , Feeding

4F 2

0756 7 ST TF

0845 70 ST 15

LF 15

8FB 25

RFB 7

F& 6 Feeding

BB 1

0959 38 Feeding 24 1253 ST 12 1428 ST 22 BFB 1 23 1517 ST 1524 5 5 T 1542.

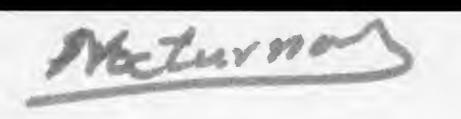
1819 20 ST Fredring

1700

TF

51

F 14 7 4 1 4 7



Location 00-305; 176-13W - 00-42N; 175-43W

Observer Crossin et al.

Date 13-14 Dec 66 Time 1843 to 0633

Weather Galon, clear

Miles 105 Hours 11-50

SPECIES	NUMBERS	REMARKS
aysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel 90.	1	
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	41	all ad. 's colling
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern		
Pomarine Jaeger		
Shear-Pet	/	
-/18 KLY ~ .		Shear Pet = 1
		StormPet = 1
		Shear Pet = 1 Storm Pet = 1 Tern = 41
		Total Birds 43
		Total Sightings
		Total Flocks
		Total Species 3

Location	00-42N; 175-43W	2-041	N; 174-54W	
	Crossin et. al.	Date 14 De	92 66 Time 0633 to 1836	5
	Calm, clear	Miles 97		

	SPECIES	NUMBERS	REMARKS
L	Laysan Albatross		
E	Black-footed Albatross		
\	Wedge-tailed Shearwater	5	all dark phase
	Sooty Shearwater		oci our proces
	Slender-billed Shearwater		
(Christmas Island Shearwater		
	Newell's Shearwater		
	Juan Fernandez Petrel		
	White-necked Petrel		
-	Kermadec Petrel		
	Phoenix Island Petrel Hahiti	1	
	Mottled Petrel		
W	Bonin Island Petrel	3	
	Black-winged Petrel	1	
	Bulwer's Petrel	/	
IRT	Leach's Storm Petrel	2	
-	Red-tailed Tropicbird	2	
	White-tailed Tropicbird		
	Blue-faced Booby	8	
	Brown Booby		
	Red-footed Booby		:
	Great/Frigatebird So.	6	\$ \$
	Lesser Frigatebird		
	Golden Plover		
	Ruddy Turnstone		
	Sooty Tern	115	lad. coll.
	Gray-backed Tern		
-	Common Noddy Tern	1	
همنچين <u>ن</u> ي	Fairy Tern		Shear-Pet = 10
	Pomarine Jaeger		Shear-Pet = 10 Storm-Pet = 2
			Term = 116
			Tropicbird = 2
			Booby = 8
			Frigate = 6
-			
			Total Birds 144
			Total Sightings
_			Total Flocks 8 (106)
			Total Species 10

Feeding Flores = 2 (33)

0715 9 ST 8 Fg 1

0816 6 ST SF

11.12 11 ST 10 SF

1309 5 SF

1448 14 5T 12 Feeding
BFB 2

1600 19 ST 15 Feeding WT 4

1615 34 ST 28
FSP 5 SF
CN 1

1803 8 ST TP

 $\{ \frac{1}{2}, \frac{1}{2},$

	03-2200	:173-48W -	04	-32N;1	72-410
Location		75 43 00) -			
					Time 0632 to 1823
		-rough vough	Miles	94	Hours 11 - 5-1

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		
	Wedge-tailed Shearwater	8	all dark phase
	Sooty Shearwater		and the same of th
	Slender-billed Shearwater		
	Christmas Island Shearwater		
	Newell's Shearwater		
	Juan Fernandez Petrel	5	
	White-necked Petrel		
diplomingues also	Kermadec Petrel		
	Phoenix Island Petrel		
	Mottled Petrel		
dead-rays and selecting	Bonin Island Petrel		
***************************************	Black-winged Petrel		Flocks
dates are	Bulwer's Petrel	3	1520 17 57 9
UR	Leach's Storm Petrel	5	wt 4
	Red-tailed Tropicbird		TFP 3 SF
denimalian	White-tailed Tropicbird		BP 1
-	Blue-faced Booby		
	Brown Booby		
	Red-footed Booby		
	Great Frigatebird		
	Lesser Frigatebird		
	Golden Plover		
	Ruddy Turnstone		
	Sooty Tern	9	
Andrews	Gray-backed Tern		
-	Common Noddy Tern		
	Fairy Tern		
	Pomarine Jaeger		
	shew Pot	4	
	Shear - Pet Bird Ptero- g.	,	
	Pters		
-	8.		
-			
-			
			Total Birds 38
			Total Sightings
			Total Flocks
			Total Species

Noctarnas

Location 04-32N; 172-4/W — 05-47N; 171-32W

Observer Crossin et al Date 15-16 Dec 66 Time 1823 to 0045

Weather Sea vough rough, rough Miles 53 Hours 6-22

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		-
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern		
Gray-backed Tern		
Common Noddy Tern	4	
Fairy Tern		
Pomarine Jaeger		
		Total Birds
		Total Sightings
		Total Flocks
		Total Species

Location 05-47N; 171-32W — 06-58N; 170-16W

Observer Crossin et. al. Date 16 Dec 66 Time 0629 to 1859

Weather Sea rough-rough Miles 105 Hours 11-40

SPECIES	NUMBERS	REMARKS
aysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	8	all dark phase.
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	3	
White-necked Petrel		
Kermadec Petrel	/	
Phoenix Island Petrel /tahit	. 4	
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	2	
Bulwer's Petrel	3	
Leach's Storm Petrel		
Red-tailed Tropicbird	2	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby	2	
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	1	
Gray-backed Tern		Shear-Pet = 22
Common Noddy Tern	1	Tern = 2
Fairy Tern		Tronibird = 2
Pomarine Jaeger		Tropicbird = 2 Booby = 2
Herald's Petrel	/	
701910		
		Total Birds 28
		Total Sightings
		Total Flocks
		Total Species //

Location 08-06 N; 169-14W — 0905 N; 168-28 W

Observer Crossin et.al.

Date 17 Dec. 1966 Time 0625 to 1759

Weather Sea rough, rough, vough.

Miles 76 Hours 11-34

SPECIES	NUMBERS	REMARKS
aysan Albatross		
lack-footed Albatross		
Wedge-tailed Shearwater	11	all dark phase
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	4	
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	,	
Bulwer's Petrel	2	
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby	•	
Red-footed Booby		
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		_
Ruddy Turnstone		Feeding Flock
Sooty Tern		0900 62 terms 25
Gray-backed Tern		L. ptero 12
Common Noddy Tern		5. ptero 15
Fairy Tern		WT 10
Pomarine Jaeger		
Shear - bet	/	
Shear - pet small Ptersdroma	16	Shear-Pet- 48
arge Pterodroma	13	Tern = 25
Tern B.	25	
16171		
		Total Birds 73
		Total Sightings
		Total Flocks / (62)
		Total Species 5

Location 10-12N; 167-41W — 11-05N; 167-00W

Observer Crossin et. al.

Date 18 Dec. 1966 Time of to 1749

Weather Sea rough-rough-rough. Miles 68 Hours 11-29

NUMBERS	REMARKS
3	all light please
	au 174 past
10	
	_ /
	Flocks
	SF 0945 48 ST Z
	P.go 1.
	J-17-
2	wT
2.0	
26	
	-/
	5hearpet = 33 Terns = 26
	A
15	130064 = 3
	uisc. = 2
3	
	T D' / C /
	Total Birds 64
	Total Sightings
	Total Flocks / (48) Total Species 7
	Z

Location 11-59N; 166-14W — 12-47N; 165-33W

Observer Crossin et.al. Date 19 Dec. 1966 Time old to 1780

Weather sea rough, rough, rough Miles 62 Hours 11-21

	SPECIES	NUMBERS	REMARKS
	Laysan Albatross		
	Black-footed Albatross		
	Wedge-tailed Shearwater	7	6/mit 1 int.
	Sooty Shearwater		
	Slender-billed Shearwater		
	Christmas Island Shearwater		
	Newell's Shearwater		
	Juan Fernandez Petrel	4	
	White-necked Petrel		
	Kermadec Petrel		
	Phoenix Island Petrel		
	Mottled Petrel		
	Bonin Island Petrel		
	Black-winged Petrel		
*	Bulwer's Petrel		
	teach's Storm Petrel	2	
	Red-tailed Tropicbird		
	White-tailed Tropicbird		
	Blue-faced Booby		
	Brown Booby		
	Red-footed Booby	1	
	Great Frigatebird		
	Lesser Frigatebird		
	Golden Plover		
	Ruddy Turnstone	-	
	Sooty Tern		
	Gray-backed Tern		
	Common Noddy Tern		Shear Pet - 12
	Fairy Tern	5	Shear Pet - 12 from Pet - 2
	Pomarine Jaeger		Tern - 6
	Pterodroma go.	/	1300by - 1
			Total Birds 21
			Total Sightings 1 (5) SF FT.
			Total Flocks
			Total Species 6

Location 13-19 N; 165-00 W — 14-07 N; 164-13 W

Observer Crossin et al. Date 20 Dec (6 Time octob to 1734

Weather rough, rough vough Miles 66 Hours 11-18

pain, rain vain

SPECIES	NUMBERS	REMARKS	
Laysan Albatross	1		
Black-footed Albatross			
Wedge-tailed Shearwater	30	light phase	
Sooty Shearwater		119m prast	
Slender-billed Shearwater			
Christmas Island Shearwater			
Newell's Shearwater			
Juan Fernandez Petrel	7		
White-necked Petrel			
Kermadec Petrel			
Phoenix Island Petrel			
Mottled Petrel			
Bonin Island Petrel			
Black-winged Petrel	2		
Bulwer's Petrel		Flocks	
Leach's Storm Petrel		Fred mis 1555 187	57.0
Red-tailed Tropicbird	2	(Rechts / 355) /2/	57,5 wt 30
White-tailed Tropicbird			RFIS
Blue-faced Booby			Pherop &
Brown Booby			, orași
Red-footed Booby	6		
Great Frigatebird			
Lesser Frigatebird			
Golden Plover			
Ruddy Turnstone			
Sooty Tern	150		
Gray-backed Tern			
Common Noddy Tern		albatross - 1	
Fairy Tern		alpatross - 1 Shear Pet - 41	
Pomarine Jaeger		Tern - 150	
Ptovodronia a.	6	Tropicbird - 2	
Pterodroma p. Shear pet		1300 by - 6	
		Total Birds 200	
		Total Sightings	
		Total Flocks 1 (187)	
		Total Species 7	

Location 15-06 N; 163-29W 16-06N-162-38W

Observer Crossin et. 41. Date 21 Dec 66 Time 65 to 1724

Weather sea rough, rough vough Miles 77 Hours 11-9

rain, rain, rain.

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		-
Wedge-tailed Shearwater	5-	all light plase
Sooty Shearwater		and the second
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel	4	
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel		
Black-winged Petrel	,	
Bulwer's Petrel		
Leach's Storm Petrel	1	
Red-tailed Tropicbird	//	
White-tailed Tropicbird		
Blue-faced Booby		
Brown Booby		
Red-footed Booby	う	
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	1	
Gray-backed Tern		
Common Noddy Tern		
Fairy Tern	3	Chear Pet - 12
Pomarine Jaeger		Shear Pet - 12 Storm Pet - 2
LURSB	,	tern - 4
WRSP Dark-rumpid Betrel Shown put	/	Boobn - 2
Sl net	1	J
- Lews /	-	
		Total Birds 20
		Total Sightings
		Total Flocks O Total Species 8

Dobserver Crossin et al.

Date 22 Dec 66 Time 0612 to 1713

Weather Sea calonex than precedimiles 86 Hours 11-1

wheh, but still a heavy owell

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross		
Wedge-tailed Shearwater	<i>/</i>	light please
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		T /
Mottled Petrel		Floers
Bonin Island Petrel		1739 140 ST 15
Black-winged Petrel		1339 153 5T 150 FEEDIN
Bulwer's Petrel		7-7-3
Leach's Storm Petrel		1446 18 CN 14
Red-tailed Tropicbird		= 7 7 T
White-tailed Tropicbird	4	
Blue-faced Booby		57
Brown Booby		
Red-footed Booby	4	
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern	151	
Gray-backed Tern	/3/	
Common Noddy Tern	14	
Fairy Tern	7	
Pomarine Jaeger		Colle to 1
show t	/	albations: 1 Shear Pet: 2
shear yest albetross so	/	Tern: 172
annons s		Booby: 4
		Tropiching 4
		18 picung 7
		Total Birds 183
		Total Sightings
		Total Flocks $2 (171)$
		Total Species

Last Day STC 16

Location	19-43 N; 159-14W	-	× 140	no Wela 14	arbour
Observer	Crossin et al.				013 to 1758
Weather	much cleaver, wind	Miles	107	Hours	10-45
Y	sea down.			,	

SPECIES	NUMBERS	REMARKS
Laysan Albatross		
Black-footed Albatross	/	
Wedge-tailed Shearwater		
Sooty Shearwater		
Slender-billed Shearwater		
Christmas Island Shearwater		
Newell's Shearwater		
Juan Fernandez Petrel		
White-necked Petrel		
Kermadec Petrel		
Phoenix Island Petrel		
Mottled Petrel		
Bonin Island Petrel	•	
Black-winged Petrel		
Bulwer's Petrel		
Leach's Storm Petrel		
Red-tailed Tropicbird		
White-tailed Tropicbird	3	
Blue-faced Booby		
Brown Booby		
Red-footed Booby	,	
Great Frigatebird		
Lesser Frigatebird		
Golden Plover		
Ruddy Turnstone		
Sooty Tern		
Gray-backed Tern		
Common Noddy Tern		allations! 1
Fairy Tern		Albertions! 1 Stream Pet: 1 Tropic bird: 3
Pomarine Jaeger	.33	Tropic bird: 3
Booker Co.	/	1300by: 2
Booky Sp. Herald's Petrel		Jacque : 33
Jera 100 1617el	/	
		Total Birds 440
		Total Sightings
		Total Flocks
		Total Species 5